

Serial No. 10/031,218

Art Unit: 3773
Examiner: Darwin P. Erez

IN THE CLAIMS:

1. Canceled
2. (Previously Presented) A surgical clip as claimed in Claim 34 including a second straight section adjacent to said second arcuate shaped portion at the opposite end of said second arcuate shaped portion to the hinge pin, said second straight section, when in the closed position of the clip, interlocking under the latch of the lower jaw.
3. (Original) A surgical clip as claimed in Claim 2 in which said first radius of curvature is of the order of three times that of the second radius of curvature.
4. (Previously Presented) A surgical clip as claimed in claim 34 further including a distal generally straight section adjacent to said second arcuate shaped portion at the opposite end of said second arcuate shaped portion to the hinge pin, said distal generally straight section including a free end that extends in a direction distally of said hinge pin.
5. (Previously Presented) A surgical clip as claimed in claim 34 wherein said first arcuate shaped portion has the same width therealong and as measured in the direction of the first radius of curvature.
6. (Previously Presented) A surgical clip as claimed in claim 34 wherein said second arcuate shaped portion has the same width therealong and as measured in the direction of the second radius of curvature.
7. (Previously Presented) A surgical clip as claimed in claim 34 further having on said upper jaw a distal generally straight section contiguous with said second arcuate shaped portion.

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8. (Previously Presented) A surgical clip as claimed in claim 7 wherein the distal generally straight section includes a free end.
9. (Previously Presented) A surgical clip as claimed in claim 8 wherein, when the upper jaw is distorted it fits within the latch because an initial closure pressure is imposed on the straight section and thus the initial pressure fails to distort the arcuate shaped section until the free end has been depressed toward the lower jaw.
10. (Previously Presented) A surgical clip as claimed in claim 34 wherein the jaws are provided with a silicone rubber lining on either the upper or lower jaw or both jaws, and in combination with a clip closure member wherein an initial closure pressure is imposed by the closure member only on the straight section.
11. (Previously Presented) A surgical clip as claimed in claim 34 wherein the total length of the first and second arcuate shaped portions is greater than the length of the straight section.
12. (Previously Presented) A surgical clip as claimed in claim 34 wherein there is an absence of any straight portion or arcuate portion between said first and second arcuate shaped portions.
13. Canceled
14. (Previously Presented) A surgical clip as claimed in claim 34 including a tubular storage member and wherein the surgical clip is constructed and arranged for passage through the tubular member to a captive opening.
15. (Previously Presented) A surgical clip as claimed in claim 14 wherein the tubular member has a dimension H that is less than the dimension of the captive opening W.

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16. (Previously Presented) A surgical clip as claimed in claim 34 wherein the first arcuate shaped portion is contiguous with the second arcuate shaped portion forming a complex contiguous curved shape.

17. (Previously Presented) A surgical clip as claimed in claim 34 wherein said second arcuate shaped portion has an arcuate surface on both an outer contact surface thereof and an inner surface thereof.

18-25 Canceled

26. (Previously Presented) A surgical clip as claimed in claim 34 wherein the straight section has proximal and distal ends and the straight section has the same width between the proximal and distal ends thereof.

27. (Previously Presented) A surgical clip as claimed in claim 26 wherein the straight section has inner and outer surfaces that are both substantially flat.

28-30 Canceled

31. (Previously Presented) A surgical clip as claimed in claim 34 wherein the cumulative length of the first and second arcuate shaped portions is greater than the length of the straight section.

32. (Previously Presented) A surgical clip as claimed in claim 34 wherein the length of the first arcuate shaped portion is greater than the length of the second arcuate shaped portion.

33. Canceled

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34. (Currently Amended) A surgical clip, comprising:
- an elongate upper jaw having a proximal end and a distal end, and an elongate lower jaw having one and other ends;
 - a hinge member that supports at a base thereof the one end of the elongated lower jaw;
 - said elongated lower jaw including an elongated substantially straight piece extending from said base, and at the other end thereof a reversed segment contiguous with said elongated substantially straight piece and forming a latch for engagement with the upper jaw;
 - said reversed segment being substantially shorter in length than the length of said elongated substantially straight piece;
 - said hinge member including a hinge pin disposed over the base of the hinge member and spaced from and over the one end of the elongated lower jaw;
 - said elongated upper jaw including, at the proximal end thereof, a first straight section supported for pivoting at the hinge pin, and ~~a single~~ an arcuate shaped section contiguously adjoining the straight section and extending distally thereof and away from the hinge pin;
 - ~~said single arcuate shaped section formed as a single curvature but with different contiguous radii of curvature;~~
 - said ~~single~~ arcuate shaped section including a first arcuate shaped portion contiguous with said straight section and a second arcuate shaped portion contiguous with said first arcuate shaped portion disposed at an opposite end of said first arcuate shaped portion to said straight section;
 - said elongated upper and lower jaws having respective facing surfaces;
 - said first arcuate shaped portion having a first radius of curvature in its facing surface that is greater than a radius of curvature of said second arcuate shaped portion which has a second radius of curvature in its facing surface;
 - wherein the first and second arcuate shaped portions are both defined in the facing surface of the upper jaw;

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and wherein the first radius of curvature and the second radius of curvature are both defined by respective centers of curvature located below the upper jaw.